



# GIMA

PROFESSIONAL MEDICAL PRODUCTS

## SET DIAGNOSTICI VETERINARIA XENON-ALOGENO XENON-HALOGEN VET DIAGNOSTIC SETS

### Manuale d'uso - User manual

**ATTENZIONE:** Gli operatori devono leggere e capire completamente questo manuale prima di utilizzare il prodotto.

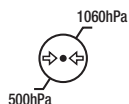
**ATTENTION:** The operators must carefully read and completely understand the present manual before using the product.

	REF
Gima 31422	808-902-26
Gima 31424	808-914-26
Gima 31425	808-906-26

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Made in Pakistan



## FEATURES

The otoscope (veterinary) is suitable to directly examine the external acoustic duct and the tympanic membrane. The otoscope is provided with a bayonet locking system. The model is equipped with a 2,5V lamp and are supplied by two 1,5V alkaline batteries type "C". The otoscopes are provided with a rheostat to adjust the intensity of light, a removable glass allowing a 2X magnification and an output for air insufflation to check the mobility of the tympanic membrane. The otoscopes are delivered with autoclavable specula with different sizes. The product or its components cannot be used for purposes different from the one specified in the present manual.

The ophthalmoscope is designed for examination of the eye. Precision ground lenses provide 24 dioptre settings, from +ve: 0, 1 to 6 then 8, 10, 12, 15, 20 and 40 to -ve: 0, 1 to 6 then 8, 10, 15, 20 and 25. The May wheel containing the lenses can be rotated in either clockwise or anti clockwise direction

## PRESCRIPTIONS

The product shall be used exclusively with alkaline batteries type "C" correctly installed.

It shall not be dipped into water! When cleaning, make sure that the lamp socket or the battery compartment is not soaked with water. Do not use the equipment in case it is damaged. Apply to your retailer. Avoid precarious repairs. Repairs shall be carried out with original spare parts only, which shall be installed according to the intended use.

Since the product is made of corrosion-proof materials suitable for the environmental conditions foreseen for its normal use, does not require special care, however it is necessary to store it in a closed place making sure that it is protected from dust and dirt to assure its hygienic conditions. Moreover, it is recommended to store the product in a place which can be reached easily by the personnel in case of necessity.

## INSTALLATION

Before using it, it is necessary to insert the batteries into the apposite compartment. Proceed as follows:

- Open the battery compartment. To do this clockwise turn the apposite ring nut located on the handle.
- Once opened, insert the batteries paying attention to the direction of poles (see picture).
- To close the battery compartment, clockwise screw down the ring nut and check that the batteries are in contact with poles.

In case the otoscope / ophthalmoscope head unit separates from the handle, proceed as follows:

For versions with bayonet cap, it is necessary to hold the otoscope handle and head group, counter-clockwise turn this last one until a click is heard, at this point it is possible to take the head off. To insert the head, make the bayonet cap grooves match, push the head towards the bottom and clockwise rotate it

The operation necessary to remove and replace the speculum is very simple:

Counterclockwise rotate the speculum and draw it out of its seat. To reposition the speculum, insert it into the head group, make the groove match with the small pivot and clockwise rotate.

In case of Otoscopes with bayonet locking system, proceed as follows:

It is necessary to hold the Otoscope handle and head in each hand and turn the head counter-clockwise until a click is heard. At this point it is possible to take the head off. To re-attach the head, match the bayonet grooves on both the head and handle, push the head down and turn the head clockwise.

## OPERATION

First of all it is necessary to choose the size and the type of speculum suitable to the acoustic duct to examine

The examiner shall turn on the light by means of the black knurled ring nut located on the handle upper side. The model is equipped with a rheostat. Thus pressing the white pushbutton and slowly clockwise rotating the ring nut it is possible to increase the intensity of light. Counter-clockwise rotate the ring nut to turn down the light until it is off. After the use, make sure that the light is off.

## MAINTENANCE



Periodically check the battery conditions, making sure that no sign of corrosion or oxidation is present, in case of necessity replace them with new alkaline ones. Carefully handle the batteries as the liquids they contain

can irritate skin and eyes.

Before being used, thoroughly check the product. The same operation shall be carried out after cleaning.

- Check that the connection between the head and the handle is perfect and that the rheostat correctly works.
- If the light is intermittent or in case it does not turn on, check the bulb, the batteries and the electric contacts. In case the bulb stops working, it is possible to replace it with original spare parts (see picture)..
- To replace the bulb, it is necessary to take the speculum out, counter-clockwise turn the bulb and screw the new one down (see picture). It is advisable to use only original bulbs.



Before removing the bulb, make sure that the instrument has been off for some minutes; otherwise you run the risk of being burnt.

- Check that the glass is clean; on the contrary it shall be removed. pull it towards you.
- After cleaning, reintroduce the glass into its seat (see picture).
- It is advisable to always have new bulbs and batteries at disposal for the maximum light.

### REUSABLE VETERINARY SPECULA

- Made from resilient thermoplastic material.
- Smooth and shiny surface ensure easy cleaning.
- Autoclavable at 134°C.
- Can be disinfected with conventional solutions / water and soap.
- Metallic baynut lock for positive fit to Otoscope

### METAL REUSABLE VETERINARY SPECULA

- For use with slit illumination head.
- Metal construction, chrome plated.
- Easy to clean and disinfect, can be disinfected with conventional solutions / water and soap
- Matt inner surface to reduce risk of reflection
- Slotted models with 60 opening and round edges, ideal for instrumentation, atraumatic insertion.





### CURVED ILLUMINATOR:







Various attachments such as tongue depressors can be attached to the curved illuminator.

### RECOMMENDED OPERATING ENVIRONMENT

Operation	Temperature Humidity Air Pressure	10°C to 40°C 30% to 75% 700hPa to 1060hPa
Altitude		0-13123 feet (0-4.000 meters)
Storage and Transport	Temperature Humidity  Air Pressure	-20°C to 60°C 10% to 90% (Without Condensation) 500hPa to 1060hPa

The product has been conceived to last forever; it is resistant to most part of chemicals except for methyl ethyl ketones (M.E.K.), diluents and nail polish removers. All internal parts are brass and chrome plated preventing rusting. If the lamp is exposed to humidity remove the batteries, thoroughly dry to avoid short-circuits.

Symbols				
<b>REF</b>	Product code		Keep away from sunlight	 Date of manufacture
<b>LOT</b>	Lot number		Keep in a cool, dry place	 WEEE disposal

	Caution: read instructions (warnings) carefully		CE mark		Follow instructions for use
	Atmospheric pressure limit		Humidity limit		Temperature limit



**Disposal:** *The product must not be disposed of along with other domestic waste. The users must dispose of this equipment by bringing it to a specific recycling point for electric and electronic equipment.*

**GIMA WARRANTY TERMS**

The Gima 12-month standard B2B warranty applie